

REMARKS

Claims 1-33 are the pending claims. Claims 1, 2, 29 and 30 are written in independent form. By this Amendment, claims 1-5, 8, 9, 11-19, 21-26 and 28-33 are amended. No new matter is added.

I. Claim Rejections on Prior Art Grounds

Claims 1-34 are rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent 7,456,827 to Rosmalen in view of U.S. Patent 6,911,781 to Yamazaki. As claim 34 was cancelled at the time of filing this application, the rejection of that claim is moot. The rejection of the remaining pending claims is respectfully traversed.

It is admitted in the Office Action that Rosmalen fails to disclose or suggest specifics of the types of memory used to store the operating time/history of the pixel nor the non-volatile pixel wear value obtained as a sum of the most significant bits integrated over the operating time of the pixel wear value that is stored in a volatile memory, wherein the less significant bits of the volatile stored pixel wear are retained unchanged in the volatile memory.

In an effort to overcome the several deficiencies of Rosmalen, it is alleged that it would have been obvious to one of skill in the art at the time of the present invention to modify Rosmalen to include the teachings of Yamazaki. Specifically, it is alleged that "Example 2" in Yamazaki describing a method of correcting a video signal, when combined with the teachings of Rosmalen, renders the rejected claims obvious.

The cited section of Yamazaki only pertains to a correction function used to increase luminance of a deteriorated light emitting element that includes adding a correction value to a normal input video signal. Specifically, the device of Yamazaki operates by processing additional 1-bit data for performing the luminance correction. The correction value is simply added to the normal

video signal and the extra 1-bit is used for processing the signal of the added value. The most significant bit (MSB) is used for the signal correction alone.

Thus, "Example 2" only describes a correction function which is used to add a correction value element to a normal video signal. There is no description or suggestion related to processing pixel wear values (which are not the same as the correction values of Yamazaki).

Moreover, the cited passage of Yamazaki fails to disclose or suggest using pixel wear values that are stored in volatile and non-volatile memories as described in the rejected claims. Yamazaki only refers to the use of an additional most significant bit to correct a video signal. Simply adding an additional bit to a video signal cannot be interpreted as transferring a predetermined number of most significant bits of a volatile wear value to a non-volatile wear value.

Regarding independent claim2, none of the applied references disclose or suggest storing different values (i.e., correction value R^{kor} and volatile wear value R^{vf}) in the same memory cell.

As the combination of references fails to disclose or suggest all of the claim elements, the combination of references fails to render the rejected claims obvious. As such, withdrawal of the rejection is respectfully requested.

CONCLUSION

In view of the above remarks and amendments, the Applicants respectfully submit that each of the pending objections and rejections has been addressed and overcome, placing the present application in condition for allowance. A notice to that effect is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to contact the undersigned.

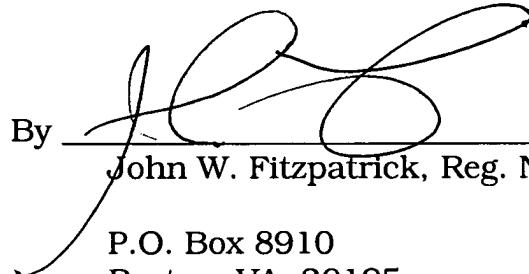
Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact John W. Fitzpatrick, 41,018, at the telephone number of the undersigned below.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

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By


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